

RESPONSE TO OFFICE ACTION  
DATED AUGUST 18, 2006

Appln. No. 10/526,177

- 2 -

December 18, 2006

Amendments to the Specification

**(1) Please replace lines 11-15 of page 5 as follows:**

(Element 4)

Main inserted yarns (15) are more bulky than both main elastic yarns (14) and main ~~inserted~~ stitch yarns ~~(15)~~, and main inserted yarns (15) are thicker in apparent thickness than both main elastic yarns (14) and main ~~inserted~~ stitch yarns ~~(15)~~.

**(2) Please replace lines 27-30 of page 6 as follows:**

In addition to the characteristics of the first and the second, the warp knitted elastic fabric, in accordance with the present invention, has the tenth characteristic comprised of the following element (1).

**(3) Please replace lines 16-21 of page 7 as follow:**

(Element 1)

The main stitch yarn is a thermo-adhesive sheath/core combination of polyether-ester ~~elastic~~ yarn which is made of polyether-ester applied to a core component polymer and thermo-adhesive polymer having a melting point which is lower than core component polymer, applied to the sheath component polymer.

**(4) Please replace lines 1-6 of page 8 as follows:**

(Element 1)

The main elastic yarn (14) is a thermo-adhesive sheath/core ~~conjugate~~ combination polyether-ester elastic yarn which is made of elastic polyether-ester applied to a core component polymer and thermo-adhesive polymer having a melting

RESPONSE TO OFFICE ACTION  
DATED AUGUST 18, 2006

Appln. No. 10/526,177

- 3 -

December 18, 2006

point lower than the core component polymer applied to the sheath component polymer.

**(5) Please replace lines 28-34 of page 10 as follow:**

For this purpose, it is desirable to apply a thick monofilament elastic yarn of breaking elongation more than 60% having a rate of elastic recovery after 30% elongation of more than 90% single fiber fineness of 1000~~~2500~~4000 dtex, preferably 1650~2750 dtex, further preferably 2000~2500 dtex, and of which stress at 10% elongation is more than 0.1 cN/dtex, preferably 0.2~0.8 cN/dtex, to the main elastic yarn (14).

**(6) Please replace line 29 of page 12 through line 3 of page 13 as follows:**

Further, in the case of application of weak and elongatable polyurethane elastic yarn, irregularity of tension among the stitch yarns tends to arise in the knitting process, and the irregularity of tension among the stitch yarns makes the knitting process difficult. And, in the case of the application of strong and unelongatable polyester elastic yarn, it becomes difficult to knit up the warp knitted elastic fabric, since in the knitting process the strong and unelongatable polyester elastic yarn does not easily vary its shape in cooperation with works or actions of the reed guide, the knit needle and other parts of the knitting apparatus.

**(7) Please replace lines 29-35 of page 17 as follows:**

In the case of application of a sheath/core combination filament elastic yarn, which is made of lower melting point polyether-ester elastomer applied to sheath component part and higher melting point polyether-ester elastomer applied to core

RESPONSE TO OFFICE ACTION  
DATED AUGUST 18, 2006

Appln. No. 10/526,177

- 4 -

December 18, 2006

component part, for the first main stitch yarn (11), it is desirable to apply a polyester multifilament yarn to the second main stitch yarn (12) and the third main stitch yarn (13), because the polyester multifilament yarn is compatible with the sheath/core combination filament elastic yarn in connection with the polyester component, thus these yarns easily thermally adhere to one another.

**(8) Please replace lines 7-15 of page 19 as follows:**

As a result, the inelastic main inserted yarn becomes loosened on the order of the shrinking amount of the main elastic yarn, and the inelastic main inserted yarn is able to follow the stretching of the main elastic yarn. In other words, stretching elasticity of the main elastic yarn is not restrained or limited by the inelastic main inserted yarn within the scope of shrinking amount of the main elastic yarn. Then, the warp knitted elastic fabric which is useful for the cushioning surface (24) of a car-seat and a the like can be obtained.

**(9) Please replace lines 31-34 of page 19 as follows:**

In this case, wale density of the warp knitted elastic fabric may be set up 20~40 (wale/~~24.5cm~~ 25.4cm), and course density of the warp knitted elastic fabric may be set up 15~40 (course/~~24.5cm~~ 25.4cm).

**(10) Please replace lines 1-5 of page 21 as follows:**

A single raschel warp knitting machine, which has a weft yarn insert apparatus and three reeds ( $L_1$ ), ( $L_2$ ) and ( $L_3$ ) (each 24 gauge/~~24.5mm~~ 25.4mm), is used to knit up a warp knitted elastic fabric(20).